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J
X
Cord
to equivalents of hydroxyl groups will provide the necessary quantity of the isocyanate.--

IN THE CLAIMS:

Please replace claims 47, 53 and 60 with the following amended claims:

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47. (Twice Amended) A corrosion-resistant chemically continuous composite conduit having an inside and an outside, said conduit comprising from the outside to the inside:

Cord

- a) a first layer comprising a porous, mineral-containing substrate;
- b) a second layer comprising a thermosetting material, said thermosetting material containing a silane and a curing agent comprising isocyanate groups;
- c) a third layer comprising a thermoplastic material, said thermoplastic material impregnated with a reactive resin;

wherein an interface between said first and second layers comprises covalent bonds between said silane in said second layer and minerals in said first layer;
wherein an interface between said second and third layers comprises covalent bonds between said isocyanate groups of said second layer and said reactive resin of said third layer;

[Handwritten signature]
wherein said second layer is sufficiently rigid to transmit
stresses between said first and third layers;
wherein said third layer has a tensile strength sufficient
to support a portion of said stresses; and
wherein said first, second and third layers are bonded
together with sufficient shear strength to transmit and
distribute said stresses between said layers.

[Signature]
53. (Amended) The conduit of claim 47, wherein said PVC
has a tensile strength of 5,000 to 10,000 psi.

[Signature]
60. (Twice Amended) The method of claim 54, wherein said
PVC has a tensile strength of 5,000 to 10,000 psi.

Please add the following new claim:

[Signature]
61. (New) The conduit of claim 47, wherein said stresses
include compressive, tensile and shear stresses due to one
or more of earth loads, live loads and hydrostatic loads.

REMARKS

The Applicant has amended claims 53 and 60 as suggested by
the Examiner at paragraph 4 of the Office Action (Paper No.
23). The Applicant submits that claims 53 and 60 are now
grammatically correct.